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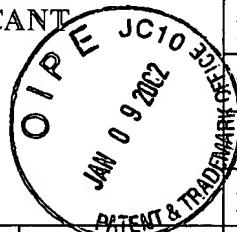
PTO/SB/08A (10-96)

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Substitute for form 1449A/PTO				COMPLETE IF KNOWN	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Application Number	09/955,712
(use as many sheets as necessary)				Filing Date	September 19, 2001
				First Named Inventor	SHALAEV
				Group Art Unit	1773 2872
				Examiner Name	Lavarias
Sheet	1	of	2	Attorney Docket Number	37000-0015



U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
AA		4,448,485		Bergman, et al.	05/15/1984	
AA		4,583,818		Chen, et al.	04/22/1986	
AA		5,067,788		Jannson et al.	11/26/1991	
AA		5,113,473		Yoshida et al.	05/12/1992	
AA		5,273,617		Fathauer et al.	12/28/1993	
AA		5,472,777		Kineri et al.	12/05/1995	
AA		5,401,569		Kineri et al.	03/28/1995	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document Office ³	Kind Number ⁴	Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ₆
					NONE			

Examiner Signature: Paul C. Lavarias Date Considered: 3/27/03

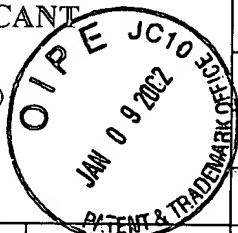
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1. Unique citation designation number.
2. See attached Kinds of U.S. Patent Documents.
3. Enter office that issued the document, by the two-letter code (WIPO Standard ST.3).
4. For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.
5. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible.
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Substitute for form 1449A/PTO				COMPLETE IF KNOWN	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	09/955,712
				Filing Date	September 19, 2001
				First Named Inventor	SHALAEV
				Group Art Unit	1773 Z872
				Examiner Name	Lavarrias
Sheet	2	of	2	Attorney Docket Number	37000-0015

**U.S. PATENT DOCUMENTS**

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AC		5,817,410		Tsujimura et al.	10/06/1998	
AC		5,858,799		Yee et al.	01/12/1999	
AC		6,017,630		Tanaka et al.	01/25/2000	
AC		6,033,774		Yitzchaik et al	03/07/2000	
AC		6,034,809		Anemogiannis	03/07/2000	
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AC		6,094,413		Guerra	07/25/2000	
AC		6,115,348		Guerra	09/05/2000	
AC		6,122,091		Russell	09/19/2000	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document Office ³	Kind Number ⁴	Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ₆
					NONE			

Examiner Signature: *Ann C. Lavarrias*

Date Considered:

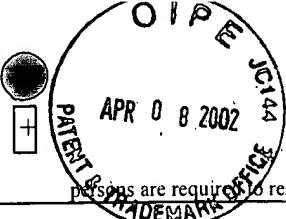
3/27/03

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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

COMPLETE IF KNOWN

Application Number	09/955,712
Filing Date	September 19, 2001
First Named Inventor	Vladimir M. SHALAEV
Group Art Unit	1515 2872
Examiner Name	Lavaras
Sheet 1 of 2	Attorney Docket Number 37000-0015

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
Al		SHALAEV, V.M., "Nonlinear Optics of Random Media--Fractal Composites and Metal-Dielectric Films," Springer-Verlag Berlin Heidelberg, pp 1-155 (2000)	
Al	✓	SARYCHEV, A.K., et al., "Electromagnetic Field Fluctuations and Optical Nonlinearities in Metal-Dielectric Composites," Elsevier (Amsterdam - Lausanne - New York - Oxford - Shannon - Tokyo), pp 275-371, <i>Physics Reports</i> 335 (2000)	
Al	✓	GRESILLON S., et al., "Experimental Observation of Localized Optical Excitations in Random RMetal-Dielectric Films," <i>Physical Review Letters</i> , Vol. 82, No. 22, pp 4520-4523 (May 31, 1999)	
Al	✓	SARYCHEV, A.K., et al., "Anderson Localization of Surface Plasmons and Nonlinear Optics of Metal Dielectric Composites," <i>Physical Review B</i> , Vol. 60, No. 24, pp 16389 - 16408 (December 16 1999 II)	
Al	✓	SHALAEV, V.M., et al., "Nonlinear Optics of Random Metal-Dielectric Films," <i>Physical Review B</i> , Vol. 57, No. 20, pp 13265-13287 (May 15, 1999 II)	
Al	✓	SARYCHEV, A.K., et al., "Percolation-Enhanced Nonlinear Scattering from Metal-Dielectric Composites," <i>Physical Review E</i> , Vol. 59, No. 6, pp 7239-7241 (June 1999)	
Al	✓	CHANG, R.K., et al., Editors "Optical Processes in Microcavities, World Scientific - Singapore-New Jersey-London-Hong Kong pp 1-75 (1996)	
Al	✓	PRAESLER, M.A., "Near-Field Optics Theory, Instrumentation, and Applications, Wiley-Interscience Publicaiton of John Wiley & Sons, Inc., New York, pp 1-65 (1996)	

Examiner Signature	Amel C. Lavaras	Date Considered	3/27/03
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INFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(use as many sheets as necessary)

Application Number

09/955,712

Filing Date

September 19, 2001

First Named Inventor

Vladimir M. SHALAEV

Group Art Unit

1515 2872

Examiner Name

Lavarrias

Sheet

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of

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Attorney Docket Number

37000-0015

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
AC	✓	CRANE, R., et al., Editors, "Materials for Optical Limiting," <i>Materials Research Society Symposium Proceedings</i> , Vol. 374, Table of Contents (November 28, 1994)	✓
AC	✓	HOOD, P., et al., Editors, "Materials for Optical Limiting II," <i>Materials Research Society Symposium Proceedings</i> , Vol. 479, Table of Contents (March 31, 1997)	✓
AC	✓	TURRO, N.J., "Modern Molecular Photochemistry, <i>University Science Books, Columbia University</i> , Sausalito, California Chapter 11.1 - 1.10 (1991)	✓
AC	- ✓	SERPONE, N., "Photocatalysis - Fundamentals and Applications," J. Wiley & Sons, Wiley Interscience Publication, New York Chapters 1 and 7 (1989)	✓
AC	✓	KOHEN, E., et al., "PhotoBiology," Academic Press, San Diego, New York, Boston, London, Sydney, Tokyo Toronto, 4-6 and 9 (1995)	✓
AC	✓	PETRANOVSKII, V., et al., "Plasmon Resonance of Copper Nanoparticles Within Zeolites: The Effect of Matrix Composition and Agglomeration Temperature," <i>Proc of SPIE</i> , Vol. 4467 (2001)	✓

Examiner Signature	<i>Amel C Lavarrias</i>	Date Considered	3/27/03
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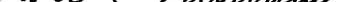
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<p style="text-align: center;">Substitute for form 1449B TRADEMARKS</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p>(use as many sheets as necessary)</p>				COMPLETE IF KNOWN	
				Application Number	09/955,712
				Filing Date	September 19, 2001
				First Named Inventor	Vladimir M. SHALAEV
				Group Art Unit	1515-2872
				Examiner Name	Lavaris
Sheet	1	of	1	Attorney Docket Number	37000-0015

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

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Substitute for form 1449A/PTO			COMPLETE IF KNOWN		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT			Application Number	09/955,712	
(use as many sheets as necessary)			Filing Date	September 19, 2001	
			First Named Inventor	V.M. SHALAEV, et al.	
			Group Art Unit	1773 2872	
			Examiner Name	Lavarrias	
PATENT & TRADEMARK OFFICE Sheet	1	of	2	Attorney Docket Number	37000-0015

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document ² Number Kind Code ² (if known)		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
TC		5,527,712	A	T.M. Sheeny	06/18/1996	

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	Foreign Patent Document Office ³	Kind Number ⁴	Code ⁵ (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T ₆
					DONE			
Examiner Signature	<u>Mul C. Lavarrias</u>				Date Considered	3/26/03	RECEIVED SEP 26 2002 TC 1100	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/955,712
(use as many sheets as necessary)		Filing Date	September 19, 2001
O P F SEP 1 8 2002		First Named Inventor	V.M. SHALAEV, et al.
		Group Art Unit	1773 2872
		Examiner Name	Lavarious
SEARCHED INDEXED SERIALIZED FILED		Attorney Docket Number	37000-0015
of	2		

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